



PATENT  
Docket No. 543572000100

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# 11/12

12/30/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Maksim KADIU

Serial No.: 09/543,442

Filing Date: April 5, 2000

For: MAGNETIC SHORING DEVICE

Examiner: G. Hartmann

Group Art Unit: 3673

AMENDMENT

BOX DAC  
Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This Amendment is in response to the Office Action dated August 3, 2001 (Paper No. 2), in which claims 1, 2, and 4-15 are rejected under 35 U.S.C. 112, second paragraph and 35 U.S.C. 103. In this Amendment, claims 4-15 are cancelled, claims 1, 2, and 3 are amended, and claims 16-54 have been added. Consequently, claims 1-3 and 16-54 are under consideration in this Amendment.

This Amendment is filed with a Petition to Revive an Abandoned Application. The Application was abandoned due to the pro-se applicant's lack of understanding of PTO procedure. The application was objected to on a variety of bases dealing with various informalities. These informalities have been corrected by the Amendment.

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OFFICE OF PETITIONS

Reconsideration and reexamination of the application is requested. Allowance of the claims is also requested.

## AMENDMENTS

### In the Specification:

A marked-up and a clean copy of the specification are attached. Please accept the noted changes.

### In the Claims:

#### Please amend claims 1, 2, and 3 as follows:

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1. (Amended) A device for shoring trenches comprising:

a) at least four linear rail posts symmetrically spacable apart along a trench in pairs and symmetrically on either side of a trench; each linear rail post having opposing sides and each said opposing side having a channel for slidably accepting shoring panels, the channels having a stepped cross section formed with two or more steps,

b) at least four of said shoring panels, configurable so that when two of said linear rail posts are adjacently located on either side of a trench having sides and when each of said linear rail posts is each symmetrically located across the trench from another linear rail post, at least two of the shoring panels may slidably engage the adjacent linear rail post channels to form on either side of the trench a multi-step shoring wall of two or more steps; each step defining a vertical guide completely or partially open, and

c) at least two trusses slidably and formlockingly positionable between linear rail posts when those rail posts are symmetrically located across a trench from each other; each said truss comprising i.) a pair of vertical truss members slidable along a linear rail post and ii.) a pair of cross members rotatably secured to each other and each cross member having ends configured to be pinnable to a vertical truss member, and

wherein connection between the linear rail posts and panels is magnetic and either the linear rail posts or the shoring panels further comprise magnets situated to effect such a connection.

2. (Amended) A device for shoring pits comprising:

a) at least four corner rail posts arrangeable vertically on a corner of a pit, each corner rail post having two sides that are substantially perpendicular to each other, each said side having a vertical channel for slidably accepting shoring panels, the channels having a stepped cross section formed with two or more steps, each step defining a vertical guide completely or partially open, and

b) at least eight shoring panels, each panel configurable so that when said corner rail posts are adjacently located in corners of a pit, at least two of the shoring panels may slidingly engage each pair of adjacent corner rail post channels to form on each side of the pit a multi-step shoring wall of two or more steps, and

wherein connection between the corner rail posts and panels is magnetic and either the corner rail posts or the shoring panels further comprise magnets situated to effect such a connection.

3. (Amended) A shoring device comprising:

a) linear rail posts spacable apart along a trench in pairs and symmetrically on either side of a trench; each linear rail post having opposing sides and each said opposing side having a channel for slidably accepting shoring panels, the channels having a stepped cross section formed with two or more steps, each step defining a vertical guide completely or partially open,

b) corner rail posts arrangeable vertically in a corner of a trench, each corner rail post having two sides that are substantially perpendicular to each other, each said side having a vertical channel for slidably accepting shoring panels, the channels having a stepped cross section formed with two or more steps, each step defining a vertical guide completely or partially open,

c) shoring panels that are i.) configurable to fit between linear rail posts adjacently located on either side of a trench having sides by slidingly engaging the adjacent linear rail post channels to form on either side of the trench a multi-step shoring wall of two or more steps, ii.)